

Name: _____

p1105: Factoring when $a = \text{prime}$ (v43)

1. Factor the expression $11x^2 + 26x + 8$

$$(11x + 4)(x + 2)$$

2. Factor the expression $2x^2 + 19x + 42$

$$(2x + 7)(x + 6)$$

3. Factor the expression $5x^2 - 37x - 24$

$$(5x + 3)(x - 8)$$

4. Factor the expression $5x^2 + 49x + 72$

$$(5x + 9)(x + 8)$$

5. Factor the expression $2x^2 + 11x + 5$

$$(2x + 1)(x + 5)$$

6. Factor the expression $7x^2 + 51x - 40$

$$(7x - 5)(x + 8)$$

7. Factor the expression $2x^2 + 17x + 30$

$$(2x + 5)(x + 6)$$

8. Factor the expression $5x^2 - 7x - 6$

$$(5x + 3)(x - 2)$$

9. Factor the expression $3x^2 + 7x - 40$

$$(3x - 8)(x + 5)$$

10. Factor the expression $11x^2 - 17x - 10$

$$(11x + 5)(x - 2)$$